

METHOD FOR DYNAMICALLY  
CONFIGURING GROUP CALLS IN A RADIO SYSTEM

## ABSTRACT OF THE DISCLOSURE

5        A method for setting up a dynamic group call includes  
the step (202) of selecting a group of radios (120, 121) by  
a dynamic group call originator (122). Once the radios that  
will be part of the dynamic group have been selected, the  
dynamic group call originator (122) transmits a dynamic  
10 group call message(s) to each of the selected radios. Each  
of the transmitted dynamic group call message(s) includes  
the IP address of one of the selected radios. Upon each of  
the target radios receiving their individually directed  
message, the target radios (120, 121) can each send an  
15 optional acknowledgment message to the dynamic group call  
originator (122). The originator (122) and the target  
radios (120, 121) then switch to the dynamic talk group  
number assigned by the dynamic talk group message. Once the  
dynamic talk group call has been completed, the originator  
20 of the dynamic group call can send a dynamic group call  
disconnect message, which once received by the target radios  
(120, 121) causes them to revert back to their previous  
operational state. Alternatively, instead of the dynamic  
talk group originator transmitting a disconnect message, the  
25 radio communication system controller (110) can transmit a  
disconnect message such as based on a timer (e.g.,  
hangtimer, etc.).